

L 44319-66 EWT(1)/T IJP(c) GG
ACC NR: AT6015889

SOURCE CODE: UR/3158/65/000/025/0002/0015

AUTHORS: Agranovich, V. M.; Ovander, L. N.; Toshich, B. S.

ORG: none

TITLE: On a theory of the nonlinear polarizability of crystals

SOURCE: Obninsk. Fiziko-energeticheskiy institut. Doklady, FEI-25, 1965. K teorii nelineynoy polyarizuyemosti kristallov, 2-15

TOPIC TAGS: tensor, crystal, electromagnetic radiation, Hamiltonian, Green function, Maxwell equation, Fourier series, exciton, phonon interaction, coulomb interaction, nonlinear effect, particle interaction, charged particle

ABSTRACT: The tensor of nonlinear polarizability of crystals ϵ_{ijkl} for the exciton region of the spectrum is found by a method similar to one used earlier (V. M. Agranovich and Yu. V. Konobeyev. FTT, 5, 2524, 1963). The interaction between charged particles of the crystal and the natural radiation field existing in the crystal is not assumed to be weak. The tensor of nonlinear effects is proportional to the corresponding anharmonicity coefficients. The general formula for the tensor of nonlinear polarizability

$$\epsilon_{ijkl}(\vec{x}, \omega; \vec{x}', \omega'; \vec{x}'', \omega'') = \left(\frac{C^2}{4\pi} \right)^3 \frac{\Delta_{ip}(\vec{x}, \omega) \Delta_{jq}(\vec{x}', \omega') \Delta_{kl}(\vec{x}'', \omega'')}{\omega \omega' \omega''} T_{mn}(\vec{x}, \omega; \vec{x}', \omega'; \vec{x}'', \omega'')$$

together with

$$T_{mn}(\vec{x}, \omega; \vec{x}', \omega'; \vec{x}'', \omega'') = [a_{mnl}(-\vec{x}', \vec{x}'', \omega', id; -\omega'', id) +$$

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2

$$+ Q_{nlm}(-\vec{x}, \vec{x}'; \omega^* + i\delta; -\omega' - i\delta) + Q_{lmn}(\vec{x}, \vec{x}'; -\omega - i\delta; \omega^* - i\delta) + \\ + Q_{lnm}(\vec{x}, \vec{x}'; -\omega - i\delta; -\omega' - i\delta) + Q_{nml}(-\vec{x}, -\vec{x}'; \omega^* + i\delta; \omega + i\delta) + \\ + Q_{mnl}(-\vec{x}', -\vec{x}; \omega^* + i\delta; \omega + i\delta) \Big| ,$$

permits the tensor of nonlinear effects to be expressed in terms of $\chi_{lmn}(\vec{x}, \omega; \vec{x}', \omega')$ and the tensor components $\epsilon_{ij}(\omega, \vec{x})$. The case of limitingly weak exciton-phonon interaction is examined. The formula for the tensor for the exciton region of the spectrum takes the form

$$\epsilon_{ijl}(\vec{x}, \omega; \vec{x}', \omega'; \vec{x}, \omega) = \frac{4\pi i N}{V \omega \omega'} \sum_{\mu, \mu_1, \mu_2} \frac{(0|P_l|\vec{x}_{\mu_1})(\vec{x}_{\mu_1}|P_j|\vec{x}_{\mu_2})(0|P_i|\vec{x}_{\mu})}{[E_{\mu_1}^{ex}(\vec{x}) - \hbar\omega][E_{\mu_2}^{ex}(\vec{x}) - \hbar\omega]} + \dots$$

The obtained equations are found to be more suitable than earlier ones in the vicinity of the exciton absorption bands as well as outside the absorption bands if the tensor ϵ_{ijl} cannot be replaced by δ_{ij} . The authors thank V. L. Ginzburg and L. P.

Pitayevskiy for discussion. Orig. art. has: 38 formulas.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 013/ OTH REF: 004

Card 2/2

blg

TOSHINSKIY, G. I. and KALASHNIKOV, A. G.

"Methods for Calculating Burn-up of Absorbers in Intermediate Reactors.

report submitted for the IAEA Seminar on the Physics of Fast and Intermediate Reactors, Vienna, 3-11 Aug 1961.

Acad. Sci. USSR, Moscow,

44682
S/869/62/000/000/006/012
B102/B186

21-2300

AUTHORS: Toshinskiy, G. I., Kalashnikov, A. G.

TITLE: A method of calculating the absorber burnup in reactors

SOURCE: Teoriya i metody rascheta yadernykh reaktorov; sbornik
statey. Ed. by G. I. Marchuk. Moscow, Gosatomizdat, 1962,
118-- 143

TEXT: The burnup of absorber material in reactors offers a possibility of compensating those effects that change reactivity. It has been studied only for particular cases (A. Radkovskiy, Lecture on Second Geneva Conference 1958; A. M. Smith and E. Jeffrey, Lecture on Second Geneva Conference 1958, Paper 86; The Physics of Intermediate Spectrum Reactors, USAEC, 1958). Here it is given a more general treatment for intermediate thermal reactors. As the demand for minimum unbalance of reactivity contradicts the demand for minimum residual reactivity the optimum absorber characteristics will be the result of a compromise. These problems are subjected to detailed theoretical analysis. It is assumed that an absorber nucleus, after having absorbed one neutron, will have a zero cross section for subsequent absorptions. First the absorber burnup equations are
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S/869/62/000/000/006/012
B102/B186

A method of calculating the absorber...

studied when self-shielding is taken into account; then approximate expressions for the burnup law are examined. It is shown that the exact function $f(\beta)$ can be replaced by $1/(1+\gamma\beta)$ when γ is so chosen that the error of β in the range from 0 to β_{\max} is smallest; β is the optical thickness of the absorber. The approximation of β by a polynomial and the case of small betas are discussed. In what follows, the optimum conditions for heterogeneous arrangements and homogeneous fuel-absorber mixtures are investigated. Finally it is shown how the variation of the neutron spectrum that arises during the operation of the reactor affects the absorber burnup and how this effect can be taken into account in the case of a homogeneous reactor. There are 7 figures.

X

Card 2/2

TOSHINSKIY, I.I. (Pyatigorsk, prospekt Kalinina, d.90, kv.1)

Work at the thoracic ward in a city hospital. Vest. Khir.
91 no.12:60-64 D '63. (MIRA 17:9)

1. Iz khirurgicheskogo otdeleniya (zav... I.I. Toshinskiy)
Pyatigorskoy gorodskoy bol'nitsy (glavnyy vrach - A.S. Partigulov).

GILEVICH, Yu.S., prof.; TOSHINSKIY, I.I., zasluzhennyy vrach RSFSR;
KRYLOVA, A.A., studentka 4-go kursa

Spreading and localization of hydatids. Uch. zap. Stavr.
gos. med. inst. 12:188-189 '63. (MIRA 17:9)

1. Kafedra obshchey khirurgii (zav. prof. Yu.S. Gilevich)
Stavropol'skogo gosudarstvennogo meditsinskogo instituta i
Pyatigorskaya gorodskaya bol'nitsa (glavnyy vrach A.S.
Partigulov).

TOSHINSKIY, I.I., zasluzhennyy vrach RSFSR

Hydatids of the heart and pericardium. Uch. zap. Stavr. gos.
med. inst. 12:202 '63. (MIRA 17:9)

1. Kafedra obshchey khirurgii Stavropol'skogo gosudarstvennogo
meditsinskogo instituta (zav. prof. Yu.S. Gilevich) i Pyati-
gorskaya gorodskaya bol'nitsa (glavnyy vrach A.S. Partigulov).

GILEVICH, Yu.S., prof.; TUSHINSKIY, I.I., zasluzhennyy vrach RSFSR;
VEREYUTIN, Yu.M.; SKIBA, V.M.; KRYLOVA, A.A.

Some problems of the epidemiology, distribution and localization of the echinococcal disease. Uch. zap. Stavr. gos. med. inst. 8:7-29 '63 (MIRA 17:7)

1. Kafedra obshchey khirurgii (zav. - prof. YU.S. Gilevich) Stavropol'skogo meditsinskogo instituta (rektor - zasluzhennyy deyatel' nauki, prof. V.G. Badylin).

KARASHUROV, Ye.S., kand. med. nauk; ~~TOSHINSKIY, I.I.~~, zasluzhennyy
vrach RSFSR; PUTYATIN, V.M., kand. med. nauk; SKIBA, V.M.;
BYTDAYEV, Kh.I., student.

Echinococcosis of the lungs. Uch. zap. Stavr. gos. med. inst.
(MIRA 17:7)
8:49-82 '63

1. Kafedra obshchey khirurgii (zav. - prof. Yu.S. Gilevich)
kafedra gospital'noy khirurgii (zav. - prof. P.M. Kovalevskiy)
Stavropol'skogo meditsinskogo instituta (rektor-zasluzhennyy
deyatel' nauki, prof. V.G. Budylin), khirurgicheskoye otdele-
niye Stavropol'skoy krayevoy klinicheskoy bol'nitsy (glavnyy
vrach Yu.P. Zotov) i khirurgicheskoye otdeleniye (zav. -
zasluzhennyy vrach RSFSR I.I.Toshinskiy) Pyatigorskoy gorbol'-
nitsy (glavnyy vrach A.S. Partigulov).

TOSHINSKIY, I.I. Zasluzhennyy vrach RSFSR

Echinococcosis of the heart. Uch. zap. Stavr. gos. med. inst.
8:145-149 '63 (MIRA 17:7)

1. Khirurgicheskoye otdeleniye (zav. otdeleniyem I.I.
Toshinskiy) Ryatigorskoy forodskoy bol'nitsy (glavnyy vrach
A.S. Partigulov).

TOSHINSKIY, I.I.

One hundred sessions of the surgical society in the Caucasian
mineral waters area. Vest.khir. 79 no.12:133-135 D '57.
(MIRA 11:1)

(CAUCASUS, NORTHERN--SURGERY--SOCIETIES)

ALEKSANDROVA, V.P.; BEREZINA, N.K.; BERNSHTEYN, A.I.; BERNSHTEYN, S.E.;
BLOKH, R.L.; ZINKOVETSKAYA, T.S.; IDESIS, Ye.S.; SMOLENKOVA, O.N.;
TOSHINSKIY, I.I.; TSARFIS, P.G.; SHABAD, Ye.T.; SHEYNBERG, O.A.

Professor E.IA. Stavskaya; obituary. Vop. kur., fizioter. i lech.
fiz. kul't. 26 no. 2:191 Mr-Apr '61. (MIRA 14:4)
(STAVSKAYA, EVGENIYA IAKOVLEVNA, 1892-1960)

TOSHINSKIY, I.I.

Result of application of peridural anesthesia in municipal hospitals. Khirurgia, Moskva no.5:29-34 May 1951. (CIML 20:7)

1. Of the Surgical Division (Head—I.I. Toshinskiy) of Pyatigorsk Hospital (Head Physician—S.F. Varenov), Pyatigorsk.

TOSHINSKIY, I.I.

Evgenii Iur'evich Kramarenko; obituary. Nov.khir.srk. no.2:95-96
Mr-Apr '57. (MLRA 10:8)

1. Predsedatel' Khirurgicheskogo obshchestva na Kavkazskikh
Mineral'nykh Vodakh
(KRAMARENKO, YUGENII IUR'EVICH, 1879-1957)

TOSHIO, SHIBATA

PA 65T56

JAPAN/Medicine - Sputum, Examination: 21 Apr 1948
Medicine - Bacteria

"Examination of Sputum Specimens, Part VII," Shibata
Toshio, 2 pp

"Nihon Iji Shimpo" No 1252

Gives microscopic examination for *B. pyocyaneus*,
Pasteurella pestis, *Corynebacterium diphtheriae* and
B. fusiformis.

FDB

65T56

Bulgaria/Microbiology. Microbes Pathogenic for Man and F
Animals

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57738

Author : Boyadzhiyeva A., Toshkov I.
Inst : Republican Scientific-Research Institute of
Epidemiology and Microbiology

Title : Sensitivity of Dysentery Bacteria Isolated in
1953 to some Chemotherapeutical Preparations
and Antibiotics in Vitro

Orig Pub : Tr. Respubl. n-i., in-t epidemiol. i mikro-
bio., 1955, 2, 67-71

Abstract : No abstract

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BULGARIA/Microbiology - Antibiosis and Symbiosis. Antibiotics.

F-2

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43212

Author : Rangelova, S., Toshkov, A.

Inst : -

Title : Effect of Streptomycin on Formation of Agglutinins in
Cholera Vibrios.

Orig Pub : Tr. Respubl. n.-1. in-t epidemiol. i mikrobiol., 1956,
3, 83-84.

Abstract : No abstract.

Card 1/1

BULGARIA / Microbiology - General Microbiology.

F

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38293.

Author : ~~Toshkov, A.~~ Shipolini, R., Sheykova, G.

Inst : Not given.

Title : Use of Penicillium Chrysogenum Autolysate as
a Nutrient Medium in Microbiological Practice.

Orig Pub: Tr. Respubl. n.-1. in-t epidemiol. i mikrobiol.,
1956, 3, 199-204.

Abstract: It was possible to cultivate staphylococci,
bacteria of typhus-paratyphus group, dysentery
bacteria, sporeforming bacilli, etc. on auto-
lysate of P. chrysogenum mycelium and on media
prepared from it. The morphological, biological
and antigenic properties of the microorganisms
remain unchanged.

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48

TOSHKOV, Al., prof.; KOSTOV, V.; KAMBUROV, G.

Liquoid, naganol and asuntol in hemocultures in leptospirosis.
Izv. mikrob. inst., Sofia no. 11: 159-168 '60.

(ANTICOAGULANTS pharmacol.)

(SURAMIN pharmacol.)

(LEPTOSPIROSIS diag.)

BALABANOV, V., ANGELOV, S., POPOV, L., TOSHEV, A. L., PANAIOTV, P.,
MEDIALKOV, S.

Types of Mycobacterium tuberculosis in skin and other forms of human
tuberculosis in Bulgaria. Izv. mikrob. Inst., Sofia., Vol. 1, 1950.
p. 21-44.

NAI

CIAT 19, 5, Nov., 1950

TOSHKOV, AL.; TOSHKOV, As.; KAMBUROV, G.

The growth and virulence of Pasteurellae in cadavers of animals
died of pasteurellosis. Doklady BAN 16 no.2:205-206 '63.

1. Institute of Microbiology, Bulgarian Academy of Science.

TOSHNE, YE. L.

Tuberculosis - Diagnosis

Dynamic principle in diagnosis of tuberculosis. Probl. tub. No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August ¹⁹⁵² ~~1953~~. Unclassified.

TOSHKOV, A.

"Decoction of dog rose growths (Fungus cynosbati) and its antibacterial effect on whooping cough bacteria."

IZVESTIIA. SERIIA EKSPERIMENTALNA BIOLOGIIA I MEDITSINA, Sofia, Bulgaria, No. 1, 1957.

Monthly List of East European Accessions Index (EEAI), The Library of Congress, Volume 8, No. 8, August 1959.

Unclassified

TOSHKOV, A.

"Antibacterial action of the decoctions of oak barks (Quercus Rubur L) and the experiment for their use in dysenteric cases."

IZVESTIIA. SERIIA EKSPERIMENTALNA BIOLOGIIA I MEDITSINA, Sofia, Bulgaria, No. 2, 1957.

Monthly List of East European Accessions Index (EEAI), The Library of Congress, Volume 8, No. 8, August 1959.

Unclassified

TOSHKOV, Al., prof.

New principles in hemoculture. Izv. mikrob. inst., Sofia Vol.4:
87-108 1953.

1. Mikrobiologicheski Institut pri Vishia veterinaren institut.
(BLOOD, bacteriology,
hemoculture technic)
(BACTERIA, culture,
hemoculture technic)

TOSHKOV, Al., prof. d-r.

75th anniversary of birth and 45th anniversary of scientific and
social work of academician prof. Dr. St. Angelov. Izd.mikrob.inst.,
Sofia 5:3-13 1954.

(BIOGRAPHICS,
Angelov, S.)

TOSHEV, Al.; TOSHEV, As.; KAMBURV, G.

Multiplication and virulence of blood infection and septicemic
pathogens in infected living animals and their offspring. 1.
Experimental listerella infections. Izv. mikrobiol. inst.
(Sofia) 16:119-127 '64

TOSHI. T. O.; ENRIANOW, I.

Multiplication and virulence of blood infection and
pathogens in infected living animals and their avers. II.
Studies on experimental Pasteurella pseudotuberculosis
infections. 124. Microbiol. Inst. (Sofia) 1951:4-15

Multiplication and virulence of blood infection and
pathogens in infected living animals and their avers. II.
Studies on experimental Pasteurella pseudotuberculosis
infections. 145-151

TOSHEKOV, A.L.; KASPIANOV, V.

Multiplication and virulence of blood infection and respiratory
pathogens in infected living animals and their cadavers.
Studies on experimental *Frystipolothrix physioptiles* infec-
tions. Izv. mikrobiol. inst. (1966) 16:117-123. 141

2(SHEKOV, A. S. (1961) - 1; V. A. (1961) - 1 V.1.

Studies on pharmacology of the blood. (1961) - 1 V.1.
properties of the blood. (1961) - 1 V.1. (1961) - 1 V.1.
1/4.

TOSHKOV, A.I.; MANOLOVA, N.; GAGOV, I.I.; ... -GOLOVINSKA ...

Multiplication and spreading of chickenpox virus in the organism
and its reactions. Izv. mikrobiol. inst. (Sofia) 1981-1982

TOSHKOV, A.I.; GAGOV, I.I.; MANOLOVA, N.; PANCHEVA-GOLOVINSKA, S.

Effect of some substances on the antimicrobial activity of
the chick embryo. Izv. microbiol. inst. 15:97-101 '63

*

PA 240T19

Bulgaria/Medicine - Antibiotics

Jun 52

"The Application of Gramicidin S, INZ for the Treatment of Purulent Superficial Wounds of Osteomyelitis or Due to Other Causes," Dr D. Dimitrov, Dr A. S. Toshkov, Sofia Med Acad V. Chervenkov

"Kniruriya" Vol 5, No 3, 4, pp 237-241

The authors refer to Gramicidin S INZ as a highly active antibiotic, and advocate its use in the treatment of superficial purulent wounds, in chronic or subacute osteomyelitis caused by staphylococci, streptococci, pseudodiphtheria bacilli, and other

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agents. They recommend the use of Gramicidin S INZ in combination with sulfa drugs, streptomycin, penicillin, boric acid, etc. in the treatment of mixed microflora infections.

TOSHAKOV, A. S.

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MARKOV, Vladimir, akad. prof. d-r; TOSHKOV, Asen, st. nauchn sotrudnik pri
RIEM, d-r

Effect of cholesterin on certain toxic antibiotics with special
reference to gramicidin Q. Izv.mikrob.inst., Sofia Vol.4:13-22
1953.

(ANTIBIOTICS, administration,
gramicidin C, with cholesterol, decrease of tox.
properties)
(CHOLESTEROL, effects,
on gramicidin C tox.)

TOSHKOV, A.

"Experiments in Placing Hemocultures on New Bases," p. 87, Izvestia, Sofiya, Vol. 4, 1953

SO: East European Accessions List, Vol. 3, No.9, September 1954, Lib. of Congress

TOSHKOV, Asen, starshii nauchnii sotrudnik

Variation and selection of strains of *Aspergillus niger* for production of citric acid by means of fermentation; preliminary communication. Farmatsia 4 no.2:39-42 Mx-Ap '54.

1. Republikanski nauchno-issledovatel'ski institut po epidemiologiya i mikrobiologiya. Direktor: d-r Vl. Kalaidzhiev.

(*ASPERGILLUS*,

**niger*, fermentation of citric acid)

(*CITRATES*, preparation of,

*fermentation by *Aspergillus niger*)

(*FERMENTATION*,

*of citric acid by *Aspergillus niger*)

TOSHKOV, A.

TOSHKOV, A.; STANCHEV, L.; NENKOV, K.

Biological diagnosis of cancer. *Suvrem. med.*, Sofia 5 no.1:37-42 1954.

1. Iz Republikanskia institut po epidemiologia i mikrobiologia i Meditsinskata akademii V.Chervenkov, Sofia.
(NEOPLASMS, diagnosis,
*biol.)

TOSHKOV, Hs.

NEDKOVA, N.; TOSHKOV, As.; KOEN, R.; GENOV, V.

Etiology of chronic colitis; preliminary communication. Suvrem.
med., Sofia 5 no.9:85-91 1954.

1. Iz Klinikata po gastro-sterologija pri ISUL. Direktor: prof.
T.Tashev, RIEM. Direktor: Vl.Kalaidzhiev i RIMP. Direktor:
Dreiski.

(COLITIS, etiology and pathogenesis,)

BULGARIA/General Problems of Pathology. Allergy.

U

Abs Jour: Ref Zhur-Biol., No 8, 1958, 37086.

Author : Toshkov, A., Genov, G.

Inst :

Title : The Effect of Crude and Purified Penicillin on Intra-dermal Diagnostic Tests with Helminth Antigens.

Orig Pub: Tr. Respubl. n-i in-ta epidemiol. i microbiol., 1955, 2, 119-123.

Abstract: Allergens from trichinella, ecchinococcus fluid and bovine tapeworm, treated in vitro with crude penicillin at 37°C for 24 hours lost the ability to produce a reaction in sensitized men. Treatment with crystalline penicillin failed to alter the properties of helminthic allergies.

Card : 1/1

TOSHKOV A.

Bulgaria/Pharmacology. Toxicology. Chemo-Therapeutical Pre- U-7
parations.

Abs Jour : Ref Zhur-Biol., No 7, 1958, 33065

Author : Genov G., Toshkov A.

Inst : Not given

Title : Effect of Raw and Purified Penicillin on Isolated Trichinae.

Orig Pub : Tr. Respubl. n-i in-t epidemiol. i mikrobiol.,
1955, 2, 125-128

Abstract : Raw penicillin differing from the crystalline
kills invasion trichinae in vitro within 24
hours (at a temperature of 37°).

Card 1/1

TOSHKOV, As.; ELENKOV, T.P.

Bacteriological force of lysozyme in tears in normal conditions
and in eye diseases. Suvrem.med., Sofia 6 no.9:35-39 1955.

1. Iz Nauchnoissledovatel'skiiia institut po epidemiologiya i
mikrobiologiya (direktor: Vl.Kalaidzhiev) i Voennata bolnitsa
pri MVR (nachalnik: Ivanov)

(EYE, diseases,
tear bacteriol. & lysozyme content (Bul))

(LYSOZYME,
in tears in normal cond. & eye dis., relation to
bacteriol. (Bul))

(LACRIMAL APPARATUS,
tears, relation of lysozyme content to bacteriol. in
normal cond. & eye dis. (Bul))

VACHEV, G.; TOSHKOV, As.

Observations on mass tuberculin test. Suvrem.med., Sofia 6 no.10:99-100
1955.

1. Iz Studentskata poliklinika Sofia (gl.lekar: L.Doichinov) i
Nauchnoizsledovatelskia institut po epidemiologia i mikrobiologia,
Sofia (direktor: V.Kalaidzhiev).
(TUBERCULIN REACTION,
(Bul))

BULGARIA/Microbiology - Antibiosis and Symbiosis. Antibiotics.

F-2

Abs Jour : Ref Zhur - Biol., No 12, 1958, 52798

Author : Toshkov, A., Nedyalkov, S., Yankov, Ya., Kamburov, G..

Inst : Higher Institute of Veterinary Medicine.

Title : A Study of Sensitivity of the Causative Agent of Gangrenous Mastitis in Relation to Sulfanilamides and Antibiotics.

Orig Pub : Nauchn. tr. Vissh. veterinarnomed. in-t, 1956, 4, 39-48.

Abstract : Sulfamid preparations (norsulfasol, sulfathiazole, ciba-zole, utraseptil, white streptocide, sulfanil-amide, red streptocide, ambezide, prontosil, sulfaguanidin, and sulfamesatin) administered in dilutions of 1:500 did not exert a sufficiently bacteriostatic effect in vitro on the causative agent of gangrenous mastitis. A good effect as exerted in vitro by the antibiotics penicillin,

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BULGARIA/Microbiology - Antibiosis and Symbiosis. Antibiotics..

F-2

Abs Jour : Ref Zhur - Biol., No 12, 1958, 52798

gramicidin C, streptomycin, aureomycin, and terramycin.
-- A.K. Kvasnikov

Card 2/2

- 32 -

MARKOV, Vl., Akad.; TOSHKOV, As., dr.; SHIPOLINI, R.

Effect of certain phenanthrene derivatives on hemolytic and toxic properties of gramicidin C. Izv. mikrob. inst., Sofia 7:39-46 1956.

(PHENANTHRENE, related compounds,
eff. on gramicidin C hemolytic & tox. eff. (Bul))
(ANTIBIOTICS, injurious effects,
gramicidin C. hemolytic & tox. eff., eff. of
phenanthrene (Bul))

MATEV, M.; TOSHKOV, As.

Microbiological diagnosis of endocarditis lenta and of other bacterial forms of endocarditis. Suvrem. med., Sofia 7 no.5: 77-80 1956.

1. Iz Katedrata po propedeutika na vutreshnite bolesti pri VMI--
Sofia (Zav. katedrata: prof. Iv. Ionkov). i Nauchnoizsledovatelskia
inst. po epidemiol. i mikrobiol. (Direktor: Vl. Kalaidzhiev).

(ENDOCARDITIS, BACTERIAL, diagnosis,
bacteriol. (Bul))

(ENDOCARDITIS, SUBACUTE BACTERIAL, diagnosis,
bacteriol. (Bul))

F-1

BULGARIA / Microbiology. General Microbiology.

Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90767

Author : ~~Toshkov, A.~~; G'bov, B.
Inst : Division of Biological and Medical Sciences, Academy
of Sciences, Bulgaria

Title : Antibacterial Action of a Decoction of Dog Rose Galls
on Whooping Cough Bacteria

Orig Pub : Izv. Otd. biol. i med. nauki. B'lg. AN Sor. eksprim.
biol. i med., 1957, No 1, 101-109 (Bulg.; rus. Russ. Ger.)

Abstract : Decoction of dog rose galls showed a bacteriostatic action
on whooping cough and dysentery bacilli, staphylococci,
and streptococci. For treatment of patients with whooping
cough a "parodir" preparation was tried, the composition
of which included a 60% sugar syrup of a decoction of dog
rose galls, fruits of the pimpinell, anise, and Christ-
Thorn; in the same way decoctions of mistletoe and other

Card 1/2

BULGARIA/Farm Animals - Honeybee

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69429

Author : Toshkov, A.

Inst : -

Title : Nervous Activity and Instincts in Honeybees

Orig Pub : Priroda (Bulg.), 1957, 6, No 3, 37-39

Abstract : N. abstract.

Card 1/1

- 64 -

TOSHKOV, Al., prof.; TOSHKOV, As., d-r, st. n. sutr.

Third International Congress of Infectious Pathology.
Priroda Bulg 12 no. 1: 99-100 Ja-F '63.

1. Chlen korespondent na Bulgarskata akademiia na naukite (for Al. Toshkov).

TOSHKOV, Al., prof.; TOSHKOV, As., d-r, st. n. sutr.

Third International Congress of Infectious Pathology.
Priroda Bulg 12 no. 1: 99-100 Ja-F '63.

1. Chlen korespondent na Bulgarskata akademija na naukite (for Al. Toshkov).

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epid. i immun. 29 no.7:45-47 J1 '58 (MIRA 11:8)

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Sofia.

(PENICILLIN, effects,
on gastrointestinal microbiol. & fatal disease in guinea
pigs (Rus))

(INTESTINES, microbiology,
eff. of penicillin in guinea pigs (Rus))

YONKOV, Iv., MATEV, M., TOSHKOV, As., GRIGOROVA, M. (Sofiya, Bulgariya)

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(ARTHRITIS, RHEUMATOID, diagnosis,

antistreptolysin & hemagglut. reactions (Rus))

(JOINTS, diseases,

diag., antistreptolysin & hemagglut. reactions (Rus))

(HEMAGGLUTINATION, in var. dis.

rheum. & other. joint dis., diag. value (Rus))

(ANTISTREPTOLYSINS,

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(RABIES) (PHYTONCIDES) (CROWFOOT)

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TOSHKOV, As.
SOURCE (In caps); Given Names

Country: Bulgaria

Academic Degrees: MD

Affiliation: Co-Editor of Khigiena, Editing Director: Dr L. STOYANOV

Source: Sofia, Khigiena, No 1, Jan/Feb 61, pp 33-35

Data: "Serologic Tests for The Detection of the Rheumatoid Factor."

Co-authors:

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AVRAMOVA, Sv., Sofia

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(Direktor: Vl. Kalaidzhiev.)

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(ENDOCARDITIS SUBACUTE BACTERIAL diag)

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2. "Pharmaceutical Forms of Tetracycline Hydrochloride"
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3. "Pharmacodynamics and Toxicology of Allium ursinum"
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4. "Quantitative Determination of Rutin in Vegetables"
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12. Bismuth po formula and iodine.
13. Bismuth iodine-silver iodine, iodine medication form 1 po.
14. Bismuth iodine-silver iodine, iodine medication form 1 po.
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Inst : Scientific Research Architectural Institute
Title : Use of Electro-osmosis to Dry and Stabilize Construction Grounds and Concrete.

Orig Pub : Tr. Nauchnoizsled. stroit. in-t,
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